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        "# Checkpoint 3: Variational Autoencoder & Generative and adversarial models\n",
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        "\n",
        "\n",
        "Quickdraw was an interesting dataset but requires quite a lot of CPU to get decent\n",
        "results. We discussed a relatively good solution to the problem in the Lecture, but it is\n",
        "quite CPU intensive.",
        "\n",
        "In order to make life a little easier in terms of training time, in this checkpoint\n",
        "exercise we will work with the MNIST dataset of hand-written digits. This time, though,\n",
        "we won't be classifying existing images, we will be generating new ones with\n",
        "generative models. ",
        "\n",
        "\n",
        "- Exercise 1 and 2 we will build and use a Variational Autoencoder",
        "- Exercise 3 we will use a Generative Adversarial Network",
        "\n",
        "\n",

```